

# FUSE STRUCTURE AND METHOD TO FORM THE SAME

## ABSTRACT

5 A method and structure for a fuse structure comprises an insulator layer, a plurality of fuse  
electrodes extending through the insulator layer to an underlying wiring layer, an electroplated  
fuse element connected to the electrodes, and an interface wall. The fuse element is positioned  
external to the insulator, with a gap juxtaposed between the insulator and the fuse element. The  
interface wall further comprises a first side wall, a second side wall, and an inner wall, wherein the  
inner wall is disposed within the gap. The fuse electrodes are diametrically opposed to one  
another, and the fuse element is perpendicularly disposed above the fuse electrodes. The fuse  
10 element is either electroplated, electroless plated, or is an ultra thin fuse.